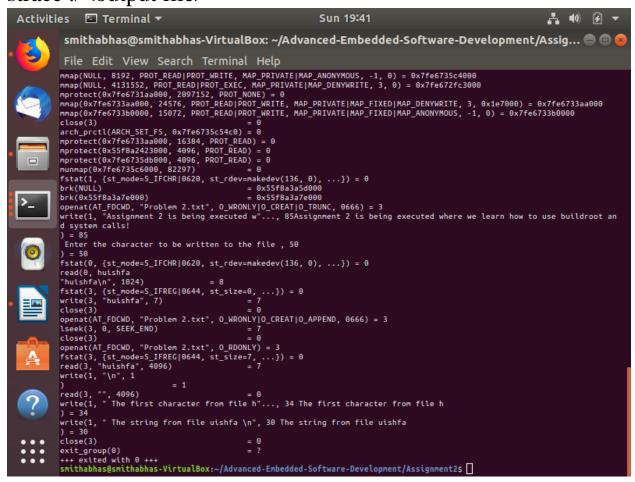
Advanced Embedded Software Development

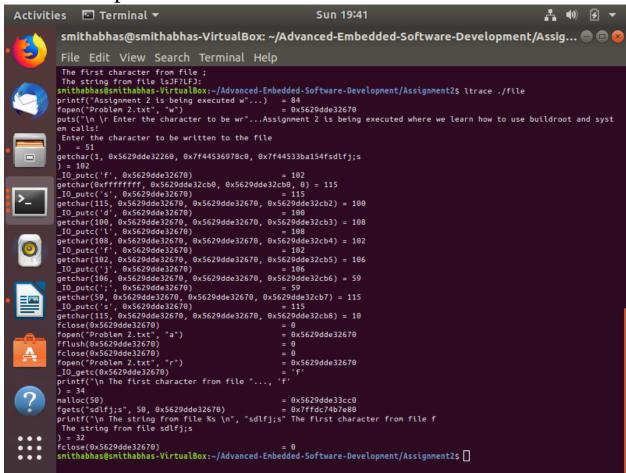
ASSIGNMENT 2

SUBMISSION BY-SMITHA BHASKAR

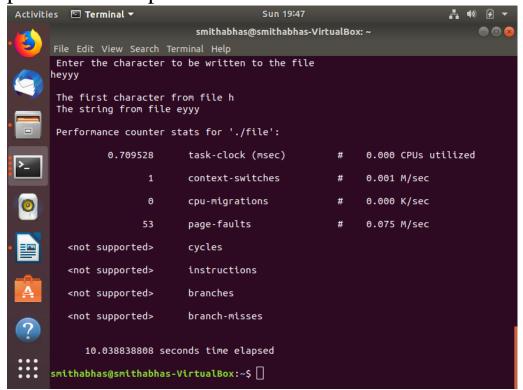
1. [Problem 2]Track system calls and library calls with File IO: Linux system output-strace ./<output file>



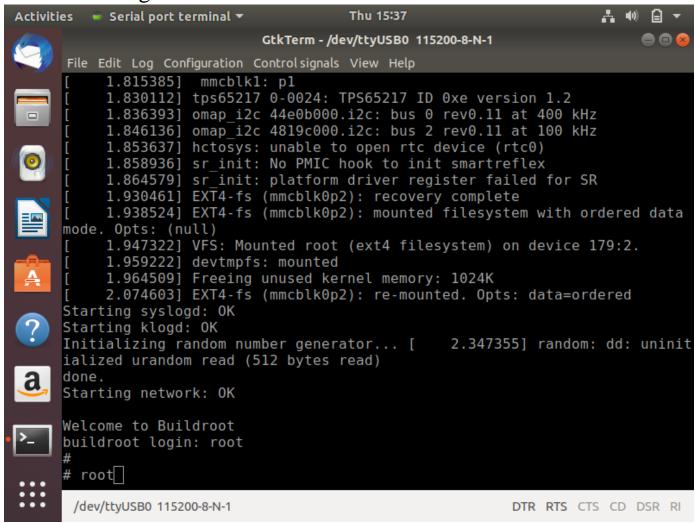
ltrace./<output file>



perf stat ./<output file>



2. Buildroot login:



Changing the login to SmithaBhaskar login

```
initialize

[ 1.6721971 ThumbEE CPU extension supported.
[ 1.6721972 Registering SWP/SWPB enulation handler
[ 1.676692 Registering SWP/SWPB enulation handler
[ 1.676692 Registering SWP/SWPB enulation handler
[ 1.20255 mmc0: host does not support reading read-only switch, assuming wr
ite-enable
[ 1.731786] mmc0: host with speed SDMC card at address aaaa
[ 1.740151] mmc0: host with speed SDMC card at address aaaa
[ 1.740151] mmchlk0: mmc0:aaaa SL32C 29.7 GiB
[ 1.763216] mmchlk1: mmc0:aaaa SL32C 29.7 GiB
[ 1.782846] mmchlk1: new high speed MMC card at address 0001
[ 1.782846] mmchlk1: new high speed MMC card at address 0001
[ 1.782846] mmchlk1: new high speed MMC card at address 0001
[ 1.782846] mmchlk1: new high speed MMC card at address 0001
[ 1.782846] mmchlk1: new 10001 Q2J540 partition 2 2.00 MHB
[ 1.783982] mmchlk1: new 10001 Q2J540 partition 3 512 kiB
[ 1.834613] mmchlk1: new 10001 Q2J540 partition 3 512 kiB
[ 1.834613] mmchlk1: new 10001 Q2J540 partition 3 512 kiB
[ 1.837913] mmchlk1: pl
[ 1.83
```

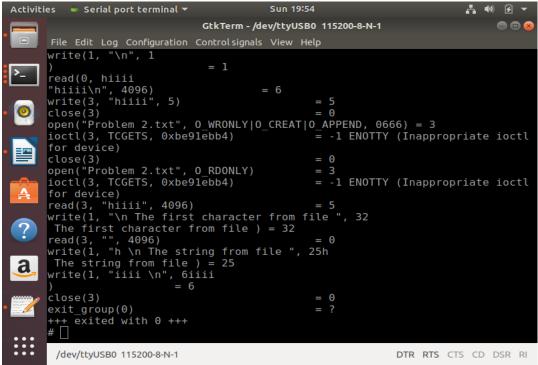
3. File outputs on beaglebone black

1. strace ./<output file>

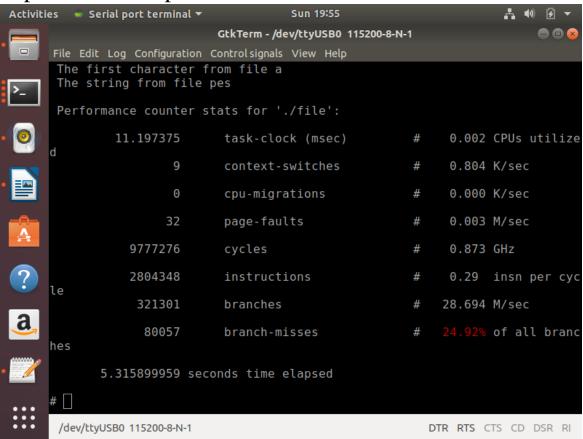
```
### East Same Control Window Help

### East Same Co
```

2. ltrace./<output file>

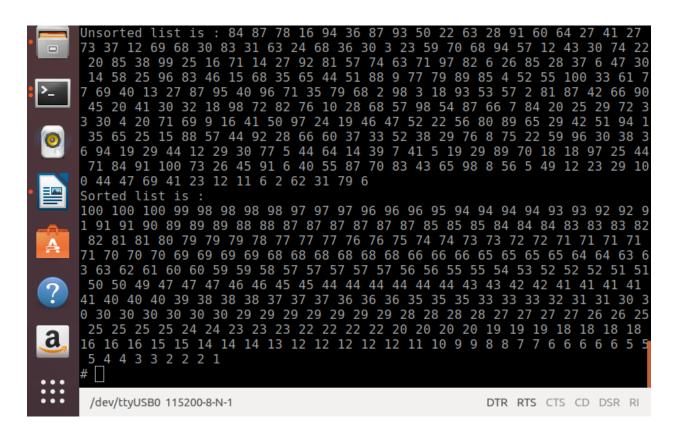


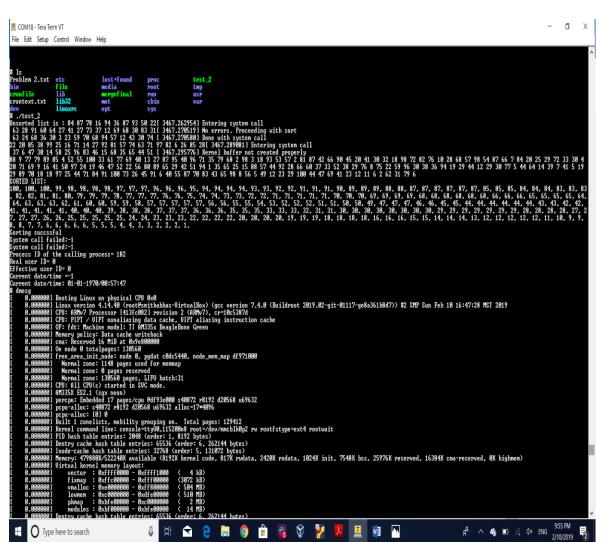
3. perf stat ./<output file>



System call:

Output on beagle bone black:





```
### COMIS-lealermVI
File Edit Stup Control Window Help

1. 1583851 devtragis: nounted

2. 1583851 devtragis: nounted

2. 1584851 part of the property of the
```

This was generated using \$dmesg after executing the output file. Problem 6: crontab:

It was logged for 30 mins with the system being called once every 10 mins.